

FDH-9956486
Attachment
MEMORANDUM OF UNDERSTANDING
Between the
Spent Nuclear Fuel Project (PHMC)
And
Bechtel Hanford Incorporated
14 pages (Including Coversheet)

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Purpose

This Memorandum of Understanding (MOU) delineates the overall management and financial responsibilities of the Spent Nuclear Fuel (SNF) Project, and Environmental Restoration Project (ERP) with respect to the turnover and acceptance of the 100 K Area Facilities that are currently being utilized by the SNF Project to the Environmental Restoration Contractor (ERC) for Surveillance and Maintenance (S&M) and eventual Decontamination and Decommissioning (D&D). This MOU is being established in order to perform out-year planning and will be updated in the future when final facility configurations can be better defined.

Scope

This MOU establishes the roles and responsibilities of each Project Hanford contractor that is, or will be, associated with management of the 100 K Area Facilities listed in Attachment -2. This agreement is limited to activities that relate to the 100 K Area Facilities and does not cover any other Hanford Site environmental restoration activities. Any change to this document requires the concurrence of the SNF Project and the ERC. This agreement expires at the time that the ERC accepts responsibility for the 100 K Area Facilities.

Background

The K East (KE) and K West (KW) Basins were designed and constructed in the early 1950s for wet storage of spent nuclear fuel. The original purpose of the basins was to store irradiated fuel following its discharge from the 100 K Area Single Pass Production Reactors (SPRs). Water in the storage basins provided cooling to remove decay heat until the fuel was transferred to the chemical processing facilities in the 200 Areas of the Hanford Site, i.e., Plutonium Uranium Extraction (PURER) Facility. It also provided radiation shielding. The KE reactor and the KW reactor were shutdown in the early 1970s.

PURER was shutdown and placed on wet standby in 1972. The N Reactor continued to operate and generate electricity. As the N Reactor fuel storage basin approached its storage capacity, a decision was made to modify the K Basins to provide additional capacity for storing SNF. The KE Basin was modified in 1975 and the KW Basin in 1981 to provide for the handling and temporary storage of SNF from N Reactor. .

N Reactor SNF was transferred to the K Basins from 1975 through 1989. Storage at the K Basins was intended to be only temporary to sustain operation of N Reactor while PURER was in standby. PURER was restarted in November 1983 and processed the N Reactor fuel as planned from November 1983 to December 1988, when operations were suspended because of an operational safety requirement violation. PURER never resumed special nuclear material recovery, and in December 1992 the U.S. Department of Energy, Richland Operations Office (RL) decided that the facility was not a viable option for future processing and would be deactivated. The decision to deactivate PURER left approximately 2,100 metric tons of N Reactor SNF and a small amount of SPR SNF in the K Basins. Additionally, there is

approximately 50 to 70 m3 of sludge and a large amount of debris (SNF canisters, SNF storage racks, and miscellaneous items) that has accumulated in the K Basins. The SNF, and the sludge and debris will be removed from the K Basins and transported to the Canister Storage Building (CSB), Tank Waste Remediation System/Double Shell Tanks (TWRS/DSTs), and Solid Waste Storage (SWS).

A MOU between Westinghouse Hanford Company and Bechtel Hanford, Inc. was established in July of 1996 which set forth the agreements, responsibilities and commitments for buildings/facilities, remedial action sites, utilities/services, and related administrative responsibilities at the Hanford Site for each of the Contractors. The MOU identified which contractor was responsible for each of the 100 K Area Facilities (Reference 1).

A Memorandum of Agreement (MOA) for transition of management responsibility for the 100 K Area Facilities was originally established in December 1996. At that time the SNF Project was to turn over the 100 K Area Facilities to the Facility Stabilization Project who then performed the work necessary to transition the facilities over to the ERC (Reference 2). This was superseded by a second MOA, dated December 5, 1997, (Reference 3) which describes the agreement between the Assistant Manager for Waste Management/SNF Project Division (AMW/SFD), the Assistant Manager for Facility Transition/Transition Program Division (AMF/TPD), and the Assistant Manager for Environmental Restoration/Restoration Projects Division (AME/RPD) on the financial and management responsibilities for direct transition of the 100 K Basins Facilities from AMW/SFD to AME/RPD.

Transition Plan

Transition of the 100 K Area Facilities from the SNF Project to the ERC will be accomplished following removal of all the SNF, sludge, debris, and water from the basins, and completion of all transition Endpoint Criteria requirements. The current schedule baseline for transition to occur from the SNF Project to the ERC is in 2007.

Roles and Responsibilities

The roles and responsibilities of the SNF Project and the ERC for transition of the 100 K Area facilities are described below. Funding will be provided by each contractor to support the planned activities described.

The details for clean-up of the basin water, the cleaning and disconnection of systems in the basins, the disconnection and flushing of the equipment in the Cold Vacuum Drying (CVD) Facility, and the degree of stabilization for 100 K Facilities to be turned over to the ERC, will be negotiated between SNF Project and the ERC and will be documented in the 100 K Area Facilities Turnover Agreement.

Final facility deactivation and placement into an S&M mode will be accomplished by completion of all turnover requirements as identified in the transition End Point Acceptance Criteria for 100 K Area Facilities.

Further, the SNF Project is pursuing a strategy with Ecology that would close the 1706KE Waste Treatment System (WTS), (currently has a RCRA Part A permit) under CERCLA as it already contained in the 100 Areas Remaining Sites CERCLA ROD. If that strategy is not found acceptable to Ecology, the 1706KE WTS will be closed under RCRA. This closure will be a SNF responsibility.

This document will be further amended upon any increase or decrease of scope. For example, the 1678 K Cross-tie Tunnel, 105-KE Water Tunnel, and the 183-KE Pipe Tunnel are in the process of being transferred to SNF. Upon completion of the transfer, these will be added to the scope and will be included in the deactivation process.

SNF PROJECT

The SNF Project will provide *funding and* be responsible for management of 100 K Area Facilities currently under its control until turnover to the ERC. Prior to transition the SNF Project will:

- Remove all SNF, sludge, debris, and water from the basins. Clean and stabilize the basins, CVD Facility and other contaminated facilities. Develop an S&M Plan to be used by the ERC after transition of the facilities. Provide funding for the ERC to develop the transition End Point Criteria as identified in Attachment 1 and work to complete/implement those requirements prior to turnover.
- Review planning input with the ERC on an annual basis the Transition work scope and estimated cost. This review will occur in July beginning in FY 2000 and continues for as long as the transition work is in progress.

ERC

- Prior to transition the ERC will prepare transition End Point Criteria for approval by the SNF Project.
- After transition the ERC will assume overall responsibility for management of the 100 K Area Facilities, including S&M, program/project activities, dispositioning, regulatory interface, waste management, and any required environmental monitoring.
- The ERC will provide funding and be responsible for the 100 K Area Facilities S&M program after transition and lasting through the duration of the program.
- Review SNF Project planning input on an annual basis. This review will occur in July beginning in FY 2000 and continues for as long as the transition work is in progress.

References

1. Memorandum of Understanding Between Westinghouse Hanford Company and Bechtel Hanford, Inc., BHI-00888, Rev. 0, dated July 9, 1996.
2. Letter, N. H. Williams, FDH, and L. J. Olguin, FDH, to E. D. Sellers, RL, and J. E. Mecca, RL, "Programmatic Agreement for Transition of Management Responsibility for the 100 K Area Facilities," FDH-9656283, dated December 10, 1996.
3. Letter, C. A. Hansen, RL, to H. J. Hatch, FDH, "Contract No. DE-AC06-96RL13200 - Memorandum of Agreement (MOA) for Transition of Management Responsibility for the 100 K Basins Facilities", 97-SFD-27 1, dated December 5, 1997.

Signatures

R. G. Jones, Vice President
Spent Nuclear Fuel Project
Fluor Daniel Hanford, Inc.

Date

S. D. Liedle, President
Bechtel Hanford, Inc.

Date